Eva Weichien Lee

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https://alt-0222.github.io **|** in/eva-weichien-lee-me

Resourceful multiskilled problem solver with 7+ years of expertise in designing and implementing effective out-of-the-box solutions. Skilled in developing and deploying secure web applications, network security, vulnerability management and security assessments. Demonstrated capability to assess security posture, identify gaps and vulnerabilities, and deliver comprehensive solutions to mitigate risk and efficiently improve performance while minimizing costs. Proven ability to effectively communicate technical solutions to a wide range of shareholders by fostering trust through respectful communication and collaboration.

- Established track record in delivering cost-effective, high-performing, secure system and software solutions.
- Well-versed in penetration testing and vulnerability assessment practices across varied technology stacks.
- Passionate problem solver with proven success in finding root causes, quickly and efficiently creating innovative solutions to complex multifaceted problems.

EXPERIENCE

Technical Solutions Consultant   Mar 2019 - Nov 2020
Tony Hsieh, Park City, Utah

- Consultant for Tony Hsieh, former CEO of **Zappos.com**, with a broad mandate of increasing expediency and minimizing costs while maintaining quality excellence.
- Developed and conducted research in emerging technologies with a focus on identifying and creating next-generation solutions to existing problems; evaluated and analyzed findings; crafted brainstorming activities to assess potential use cases.
- Engineered secure serverless applications solutions utilizing robotic process automation (RPA), natural language processing (NLP), machine learning (ML), API customization, containerization, content delivery networks (CDN), and implementation of security frameworks in software development lifecycle (SDLC) to streamline organizational communication and increase organizational efficiency.
- Increased operational scalability and reliability by 80% and reduced IT maintenance cost by 50% by developing efficient, cost reducing out-of-the-box solutions against aggressive schedules.
- Awarded "MacGyver" prize in recognition of outstanding creative and critical thinking.

Solutions Engineering Consultant   Jan 2018 - Present
Nerdpower LLC, Las Vegas, Nevada

- **Zappos.com -** Selected by CTO to identify and evaluate web application security.
  - Developed a systematic penetration testing plan, using multiple testing tools and techniques to identify and address potential threats.
  - Performed vulnerability assessment on Zappos web application stack by utilizing static and dynamic code analysis, fuzzing, and packet analysis; applying risk-based approach to identification and analysis of attack vectors, exploit vulnerabilities, and post-exploit activities.
  - Evaluated, recommended and implemented enhanced security measures to protect applications from malicious activities.
- **Secure Hybrid Cloud SaaS -** Led the design and development of SaaS MVP end-to-end solution with focus on building resilient, secure microservices infrastructure with micro-segmentation.
  - Implemented successful security measures, such as encryption, sandboxing, access control management, workflow automation, and data lifecycle management (DLM) to further strengthen the security of the solution.
  - Adapted quickly to changes in the project scope and requirements, while ensuring the quality and integrity of the solution.
  - Reduced the cost of infrastructure and security components by 30%.
- **Enterprise "Seed-to-Sale" System (ERP) -** Devised a secure hybrid ERP application framework for integrating disparate data sources and systems, including third-party APIs, into a single cohesive hybrid architecture.
  - Created flexible, scalable, secure hybrid microservice architecture for secure, efficient and streamlined workflows while meeting regulatory compliancy.
  - Automated critical business functions, which resulted in increased efficiency, cost savings, and improved accuracy.

- ○ Increased visibility into the entire supply chain while meeting governance and regulatory compliancy.
- ○ Reduced proposed ERP capital expenditure by 65%.
- **Admissions AG/IEDU College Counseling -** A private academic institution specializing in STEM and college counseling services.
  - ○ Innovated instructional approaches to computer science curriculum by utilizing hands-on approach to teaching, utilizing problem-solving, and project-based learning.
  - ○ Instructed full-stack, end-to-end development to audiences from varying levels of technical proficiency.
  - ○ Winner of 2018 Congressional App Challenge for ChromaCalendar mobile app.

Patent Agent   Jan 2012 - Dec 2015
Law Office of George G.C. Tseng LLP, Pasadena, California
- Coordinated and managed client dockets and portfolio deliverables.
- Prepared patentability, infringement, right-to-use, validity opinions; and domestic and foreign utility patent prosecutions, requests, and reexaminations.
- Assisted in preparation and prosecution of domestic and foreign provisional and non-provisional applications pertaining to computer security, computer networking, wireless and traditional telecommunications, solid-state lighting (SSL), RFID, internet infrastructure, multimedia, semiconductor, computer architecture, and business methods.

EDUCATION

Java   Aug 2020 - Jan 2021
University of California Berkeley Extension, California

Computer Science   May 2015 - June 2018
Harvard University/Harvard Extension

SKILLS

Rust, Java, COBOL, C, Node.js, SQL, GraphQL, JCL, OCaml, Python, HTML, UML, x86 CICS, Assembly, IBM z/OS , Linux, Unix, Amazon Web Services (AWS), Microsoft Azure, Google Cloud, IBM Mainframe, WebAssembly, Microsoft Windows, DevOps, Virtualization, API Development, CI/CD, Cloud Computing, Database Management (DBMS), Secure System/Network Architecture, Cloud Security, Network Security, Web Application Security, Endpoint Security, Identity and Access Control, SDLC/SSDLC, Data Lifecycle Management (DLM), Zero Trust Architecture (ZTA), NIST Cybersecurity Frameworks, CISA, MITRE ATT&CK, Cyber Kill Chain, CSA Cloud Controls Matrix (CCM), Privacy Frameworks, Governance/Regulatory Compliance, Security Information and Event Management (SIEM), Risk Management, System Hardening, Change Management, Digital Forensics, Vulnerability Assessment, Penetration Testing, IDS/IPDS, Cryptography, Reverse Engineering, Exploit Development, OSINT , IDA, GDB, Nmap, Wireshark, Hydra, Metasploit, Smart Contracts, Truffle, Ethereum Virtual Machine (EVM), OpenZepplin, Project Management, Business Analysis, Interplanetary File System (IPFS), Intellectual Property (IP), Finite Mathematics

LICENSES & CERTIFICATIONS

IBM Cybersecurity Fundamentals
IBM - credly.com/users/weichien-lee/badges

Cyber Supply Chain Management Public Version
Federal Virtual Training Environment (FedVTE) - 5524e439156451c23897d4f8cbf062cc

101 Reverse Engineering Public Version
Federal Virtual Training Environment (FedVTE) - 5524e439156451c23897d4f8cbf062cc

IBM z/OS Pre-Apprenticeship Certification
IBM - credly.com/users/weichien-lee/badges

IBM z/OS Mainframe Practitioner
IBM - credly.com/users/weichien-lee/badges

Amazon Web Services Solutions Architect - Associate
Amazon Web Services (AWS) - 7B560BDKG1RQ13WE

COBOL Programming with VS Code
IBM

Enterprise Design Thinking Practitioner
IBM

IBM Agile Explorer
IBM

IBM Z Xplore - Advanced
IBM

IBM Z Xplore - Concepts
IBM

Introduction to z/OS Commands and Panels
IBM

Introduction to System Programming on IBM Z
IBM

Introduction to IBM z/OS
IBM

Working in a Digital World: Professional Skills
IBM

HONORS & AWARDS

The MacGyver Award   2020
Tony Hsieh
  ● Awarded "MacGyver" in recognition of outstanding creative and critical thinking

Congressional App Challenge   2018
United States Congress
  ● Winner - ChromaCalendar (mobile app)

LANGUAGES

English, Mandarin Chinese, Cantonese, Taiwanese Tokkien

PROJECTS

  ● **Web Scanner -** A web vulnerability scanner written in Rust that inspects and maps multiple attack surfaces of a website; Enumerates website's ports and subdomains for CVEs and CWEs then parses the results.

  ● **SHA-1 Whack Crack -** A simple SHA-1 hash password cracker written in Rust. Parses wordlists and returns results.